



328.64682

PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re U.S. Patent Application

Applicant: Takeda et al.

Serial No. 09/679,455

Filed: October 4, 2000

For: VERTICALLY-ALIGNED  
(VA) LIQUID CRYSTAL  
DISPLAY DEVICE

Art Unit: 2871

Examiner: Nguyen, D.

)  
) Conf. No.: 7544

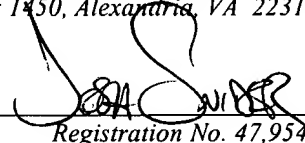
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) January 27, 2006

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) Appr. February 20, 1998

  
Registration No. 47,954

Attorney for Applicant

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PETITION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage;
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements); or
- (c) before the mailing of a first Office Action after the filing of a Request for Continued Examination.

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.


**Customer No. 24978**

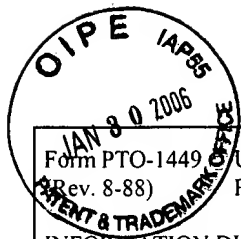
January 27, 2006  
300 South Wacker Drive  
Suite 2500  
Chicago, Illinois 60606  
Telephone: (312) 360-0080  
Facsimile: (312) 360-9315  
P:\DOCS\4319\660279K1463.DOC

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By:

  
Josh C. Snider, Reg. 47,954

Form PTO-1449 U.S. Department of Commerce  
(Rev. 8-88) Patent and Trademark Office

Attorney Docket No.: 4328.64682

Serial No.: 09/679,455

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Takeda et al.

Filing Date: October 4, 2000

Group: 2871

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,385,806	May 31, 1983	Ferguson			
	4,701,028	Oct. 20, 1987	Clerc			
	4,786,147	Nov. 22, 1988	Clerc			
	4,889,412	Dec. 26, 1989	Clerc			
	5,579,140	Nov. 26, 1996	Yamahara			
	5,745,206	April 28, 1998	Koike			
	5,907,380	May 25, 1999	Lien			
	6,288,762	Sept. 11, 2001	Sasaki			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	GB 1,462,978	Jan. 26, 1977	London			Abs.	
	JP 6-082777	March 25, 1994	Japan			Abs.	
	09-033882	Feb. 7, 1997	Japan			Abs.	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Soref et al., "Electrically Controlled Birefringence of Thin Nematic Films," Journal of Applied Physics, Vol. 43, Bi, 5, May 1972, pp. 2029-2037.

Examiner

Date Considered

\*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
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## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,701,028	Oct. 20, 1987	Clerc et. al.			
	6,061,116	May 9, 2000	Nishida et. al.			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	04-251285	Sept. 7 1992	Japan			Abs.	
	07-120767	May 12, 1995	Japan			Abs.	
	08-022023	Jan. 23, 1996	Japan			Abs.	
	08-095054	April 12, 1996	Japan			Abs.	
	07-333671	Dec. 22, 1995	Japan			Abs.	
	08-043825	Feb. 16, 1996	Japan			Abs.	
	60-256121	Dec. 17, 1985	Japan			*X	
	WO97/012275	April 3, 1997	WIPO			**X (and Abs.)	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner

Date Considered

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* 60-256121 correspondes to U.S. Patent No. 4,701,028

\*\* WO97/012275 correspondes to U.S. Patent No. 6,061,116